

APPENDIX C: SAR SYSTEM VALIDATION

Per FCC KDB Publication 865664 D02v01r02, SAR system validation status should be documented to confirm measurement accuracy. The SAR systems (including SAR probes, system components and software versions) used for this device were validated against its performance specifications prior to the SAR measurements. Reference dipoles were used with the required tissue- equivalent media for system validation, according to the procedures outlined in FCC KDB Publication 865664 D01v01r04 and IEEE 1528-2013. Since SAR probe calibrations are frequency dependent, each probe calibration point was validated at a frequency within the valid frequency range of the probe calibration point, using the system that normally operates with the probe for routine SAR measurements and according to the required tissue-equivalent media.

A tabulated summary of the system validation status including the validation date(s), measurement frequencies, SAR probes and tissue dielectric parameters has been included.

Table C-1
SAR System Validation Summary – 1g

SAR System	Freq. (MHz)	Date	Probe SN	DAE	Probe Cal Point		Cond. (σ)	Perm. (ϵ_r)	CW VALIDATION			MOD. VALIDATION		
									SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR
AM13	750	07/15/2024	7682	1683	750	Head	0.873	41.942	PASS	PASS	PASS	N/A	N/A	N/A
AM3	750	09/10/2024	7668	1681	750	Head	0.885	43.669	PASS	PASS	PASS	N/A	N/A	N/A
AM3	835	09/10/2024	7668	1681	835	Head	0.916	43.402	PASS	PASS	PASS	GMSK	PASS	N/A
AM3	1900	09/10/2024	7668	1681	1900	Head	1.447	41.394	PASS	PASS	PASS	GMSK	PASS	N/A
AM3	3500	09/12/2024	7668	1681	3500	Head	2.781	38.517	PASS	PASS	PASS	TDD	PASS	N/A
AM3	3700	09/12/2024	7668	1681	3700	Head	2.968	38.200	PASS	PASS	PASS	TDD	PASS	N/A
AM3	3900	09/12/2024	7668	1681	3900	Head	3.167	37.884	PASS	PASS	PASS	TDD	PASS	N/A

NOTE: Modulations in the table above represent test configurations for which the measurement system has been validated per FCC KDB Publication 865664 D01v01r04 for scenarios when CW probe calibrations are used with other signal types. SAR systems were validated for modulated signals with a periodic duty cycle, such as GMSK, or with a high peak to average ratio (>5 dB), such as OFDM according to FCC KDB Publication 865664 D01v01r04.

FCC ID: BCGA3355	PART 2 RF EXPOSURE EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Tablet Device		APPENDIX C: Page 1 of 1